

ABSTRACT

To provide a technique for rotating a plurality of carriers 500 between an upper and a lower rotary surface plates to simultaneously polish both surfaces of a plurality of works 400. The work 400 is merged with the carrier 500 outside a polishing apparatus main body 110. The work 400 is supplied onto a lower rotary surface plate 111 of the polishing apparatus main body 110 while remaining merged with the carrier 500. The present invention enables the work 400 on the lower rotary surface plate 111 to be perfectly automatically supplied. After double side polishing has been completed and when an upper rotary surface plate, a liquid such as a water is injected from the upper rotary surface plate to hold the plurality of works 400 to have both surfaces thereof polished, on the lower rotary surface plate 111. The present invention enables the works 400 to be automatically ejected from the lower rotary surface plate 111. A brush housing section 180 and a dresser housing section 190 are provided near the polishing apparatus main body 110. Brushes and dressers are used to frequently efficiently process polishing clothes installed on opposite surfaces of the upper and lower rotary surface plates to efficiently and economically achieve high-quality double side polishing.

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